



Instructions for Degrease

Records Monthly VOC Emissions from Degreasers

Background

On December 2, 1994 the Environmental Protection Agency (EPA) published the National Emission Standards for Hazardous Air Pollutants for Halogenated Solvent Cleaning (59 Federal Register 61805). This alternative standard, as codified under 40 CFR 63.464 (Subpart T), is authorized under Section 112 of the 1990 Clean Air Act Amendments. It applies to all owners and operators of degreasers using the following halogenated solvents: methylene chloride; 1,1,1-trichloroethane; chloroform; perchloroethylene; trichloroethylene (TCE); carbon tetrachloride.

The monitoring of emissions from degreasers is required to demonstrate compliance with the alternative standard's emissions limits. This spreadsheet was developed by the Office of Technical Assistance (OTA) as an easy way to keep records that document actual emissions. This spreadsheet calculates monthly and three-month rolling averages of emissions based on usage and disposal.

Hardware/Software Requirements

This program is designed to run on IBM compatible computers using Microsoft Excel or Lotus 1-2-3.

How to Use the DEGREASE Spreadsheet

Before you begin, you will need to know your degreaser's solvent/air interface, your emission limit, and the density of the solvent that you use.

The areas requiring input are highlighted on the spreadsheet. The alternative standard requires that once a month you to bring the level of solvent to your established fill line with clean solvent. Throughout the month, you should track the amount of solvent added to the machine. The total amount in gallons will be entered in Column B for the appropriate month. Any specific removal of solvent, for maintenance or otherwise, should be entered in gallons into Column C. Any sludge disposed during the month should be entered in pounds into Column D. The percent solvent of the sludge should be entered into Column E. This information should be obtained from your waste manifests and licensed hauler by request.

The spreadsheet will calculate the rest of the required information. The final column lets you know if you are in compliance with your three-month rolling average limit.

A second worksheet is a simple log for you to enter specific dates of addition or removal of solvent. This information is required under the alternative standard and may be provided in any format. The worksheet, titled "Solvent Log," is provided simply to allow you to maintain all logs and calculations together in one file.

If you have questions or need assistance using this program, please contact the Massachusetts Office of Technical Assistance at (617) 626-1060. This program may be used for any purpose but may not be republished without acknowledgment to the source. The program is provided "as-is" without expressed or implied warranties. Because of the diversity of conditions under which this program may be used, it may not meet your requirements. OTA specifically requests that users forward any comments or suggestions concerning this program to this office so that we may continuously improve its utility and application.



Massachusetts Office of
Technical Assistance for
Toxics Use Reduction
100 Cambridge Street, Ste. 900
Boston, MA 02114
617.626.1060
617.626.1095 fax
www.mass.gov/ota